

## CLAIMS

*What Is Claimed Is:*

1. A method for synchronizing circuit related objects  
5 between a network management system (NMS) and a network  
control processor (NCP), the method comprising:  
  
translating data for the circuit related objects from  
binary data to ASCII data in the network control  
processor;  
  
10 receiving into the network management system server the  
ASCII data from the network control processor;  
  
parsing the ASCII data; and  
  
storing the ASCII data in a network management system  
database.  
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2. The method of Claim 1, wherein the data for the circuit  
related objects is stored in a persistence table in the  
network control processor.
- 20 3. The method of Claim 2, wherein the step of translating  
data comprises receiving an "rsh" UNIX command to  
translate the persistence table from a binary persistence  
table to an ASCII persistence table.

4. The method of Claim 3, wherein the step of receiving the ASCII data comprises receiving an "rcp" UNIX command to copy the ASCII persistence table to a network management system database.

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5. The method of Claim 1, wherein an accessible directory in a host machine has a remote machine's host name and a user name, wherein the network management system is the remote machine, and wherein the network control processor is the host machine.

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6. The method of Claim 2, wherein the format of an ASCII persistence table is a plain text file which maintains all available records for a type of circuit related object in the network control processor, and wherein each record includes a unique key and group of names with corresponding values, and each unique key is used to identify an individual circuit.

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- 20 7. The method of Claim 6, wherein the step of parsing comprises:

reading all records from the ASCII persistence table; and  
parsing the records to an network management system  
desired format.

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8. The method of Claim 1, further comprising comparing the ASCII data with a corresponding circuit related object table already in the network management system database.

5 9. The method of Claim 8, further comprising:

detecting a mismatch between the ASCII data and the corresponding circuit related object table; and  
updating the network management system database accordingly.

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10. A computer-readable medium carrying one or more sequences of one or more instructions for synchronizing circuit related objects between a network management system (NMS) and a network control processor (NCP), the one or more  
15 sequences of one or more instructions including instructions which, when executed by one or more processors, cause the one or more processors to perform the steps of:

translating data for the circuit related objects from  
20 binary data to ASCII data in the network control processor;

receiving into the network management system server the ASCII data from the network control processor;  
parsing the ASCII data; and

storing the ASCII data in a network management system  
database.

11. The computer-readable medium of Claim 10, wherein the  
5 data for the circuit related objects is stored in a  
persistence table in the network control processor.

12. The computer-readable medium of Claim 11, wherein the  
10 step of translating data comprises the processor  
receiving an "rsh" UNIX command to translate the  
persistence table from a binary persistence table to an  
ASCII persistence table.

13. The computer-readable medium of Claim 12, wherein the  
15 step of receiving the ASCII data comprises the processor  
receiving an "rcp" UNIX command to copy the ASCII  
persistence table to a network management system  
database.

20 14. The computer-readable medium of Claim 10, wherein an  
accessible directory in a host machine has a remote  
machine's host name and a user name, wherein the network  
management system is the remote machine, and wherein the  
network control processor is the host machine.

15. The computer-readable medium of Claim 11, wherein the  
format of an ASCII persistence table is a plain text file  
which maintains all available records for a type of  
circuit related object in the network control processor,  
5 and wherein each record includes a unique key and group  
of names with corresponding values, and each unique key  
is used to identify an individual circuit.

16. The computer-readable medium of Claim 15, wherein the  
10 step of parsing causes the processor to perform the steps  
of:

reading all records from the ASCII persistence table; and  
parsing the records to an network management system  
desired format.

15 17. The computer-readable medium of Claim 10, wherein the  
instructions further cause the processor to perform the  
step of comparing the ASCII data with a corresponding  
circuit related object table already in the network  
20 management system database.

18. The computer-readable medium of Claim 17, wherein the  
instructions further cause the processor to perform the  
steps of:

detecting a mismatch between the ASCII data and the  
corresponding circuit related object table; and  
updating the network management system database  
accordingly.

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